Chemistry

Grammatical Dictionary

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⟨acetate ion⟩ $(c_2h_3o_2^-)$; ⟨acetic acid⟩ $(hc_2h_3o_2)$

[adenine] $\left\langle \left(ncnc^3\right) \cdot : \cdot \langle (: ncn) \cdot : h \cdot \circ \cdot \rangle \cdot (nh_2) : \right\rangle$

⟨α-amino acid⟩ $((nh_3)\,(ch\circ)\,(c(=o)\,(o^-)))$ $((nh_2)\,(ch\circ)\,(c(=o)\,(oh)))$

[amino] (nh_2); ⟨ammonium ion⟩ (nh_4^+)

[benzene] $\left\langle \left(c^6\right)\,(h\cdot)^6 \right\rangle$ (c_6h_6)

[caffeine] $(c_8h_{10}n_4o_2)$; ⟨carbonate ion⟩ (co_3^{2-}); [carboxyl] $(cooh)$

⟨chlorate ion⟩ $(\tilde{c}o_2^-)$; ⟨chromate ion⟩ $(\c{c}o_4^{2-})$

[cubane] $\left[\left(c^8\right)\,(h\cdot)^8\right]$ (c_8h_8)

⟨cyanide ion⟩ (cn^-); [cytosine] $\left\langle \left(ncnc^3\right) \circ \cdot (=o) \cdot : (nh_2) \cdot h : h \cdot \right\rangle$

⟨dichromate ion⟩ $(\c{c}_2o_7^{2-})$; ⟨dihydrogen phosphate ion⟩ $(h_2po_4^-)$

[dodecahedrane] $\left[\left(c^{20}\right)\,(h\cdot)^{20}\right]$ $(c_{20}h_{20})$

[glycine] $\left(c(cooh)\,(nh_2)\,(h)^2\right)$

[guanine] $\left\langle \left(ncnc^3\right) h \cdot (nh_2) : \cdot \langle (: ncn) \cdot : h \cdot \circ \cdot \rangle \cdot (=o) \cdot \right\rangle$

⟨hydrobromic acid⟩ $(h\b{b})$; ⟨hydrochloric acid⟩ $(h\tilde{c})$; ⟨hydrocyanic acid⟩ (hcn); ⟨hydrofluoric acid⟩ (hf); ⟨hydrogen carbonate ion⟩ (hco_3^-); ⟨hydrogen phosphate ion⟩ (hpo_4^{2-}); ⟨hydrogen sulfate ion⟩ (hso_4^-); ⟨hydroiodic acid⟩ (hi); ⟨hydrosulfuric acid⟩ (h_2s); ⟨hydroxide ion⟩ (oh^-); ⟨hypochloric ion⟩ $(\tilde{c}o^-)$

[isopentane] [2-methylbutane] $((ch_3)\,(ch\,(ch_3))\,(ch_2)\,(ch_3))$

[neopentane] [2,2-dimethylpropane] $((ch_3)\,(c\,(ch_3)\,(ch_3))\,(ch_3))$ $\left(c\,(ch_3)^4\right)$

⟨nitrate ion⟩ (no_3^-); ⟨nitric acid⟩ (hno_3); ⟨nitrite ion⟩ (no_2^-); ⟨nitrous acid⟩ (hno_2)

[n-pentane] $\left((ch_3)\,(ch_2)^3\,(ch_3)\right)$

[nucleotide] $\left\langle \left(c^4o\right)\,(h\circ) \cdot h_2 \cdot (h(oh)) \cdot \left(h\left((ch_2)\,(o\,(p\,(o^-)\,(=o)))^3\,o^-\right)\right) \cdot o \cdot \right\rangle$

[pentane] $\left((ch_3)\,(ch_2)^3\,(ch_3)\right)$; ⟨perchlorate ion⟩ $(\tilde{c}o_4^-)$; ⟨permanganate ion⟩ $(\tilde{m}o_4^-)$; ⟨peroxide ion⟩ (o_2^{2-})

⟨phosphate ion⟩ (po_4^{3-})

[prismane] $\left[\left(c^6\right)\,(h\cdot)^6\right]$ (c_6h_6)

⟨sulfate ion⟩ (so_4^{2-}); ⟨sulfite ion⟩ (so_3^{2-}); ⟨sulfuric acid⟩ (h_2so_4); ⟨sulfurous acid⟩ (h_2so_3)

[thymine] $\left\langle \left(ncnc^3\right) \circ \cdot (=o) \cdot h \cdot (=o) \cdot (ch_3) : h \cdot \right\rangle$

Bibliography

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